

Image of single quantum dots

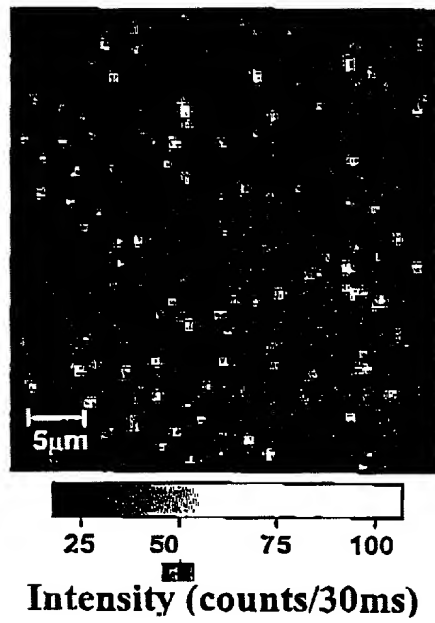


FIG. 1A

Single quantum dot spectra

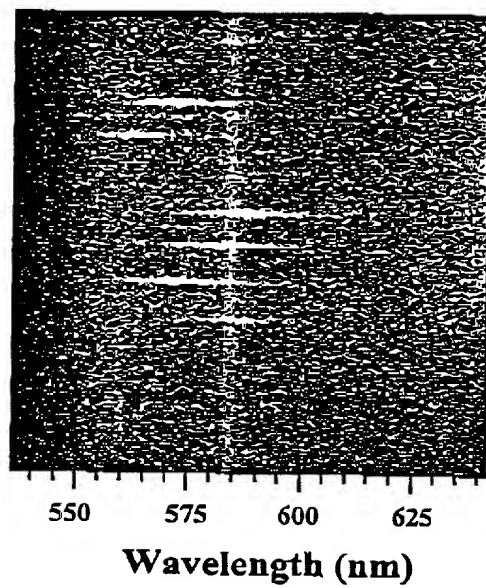


FIG. 1B

FIG. 2A



FIG. 2B

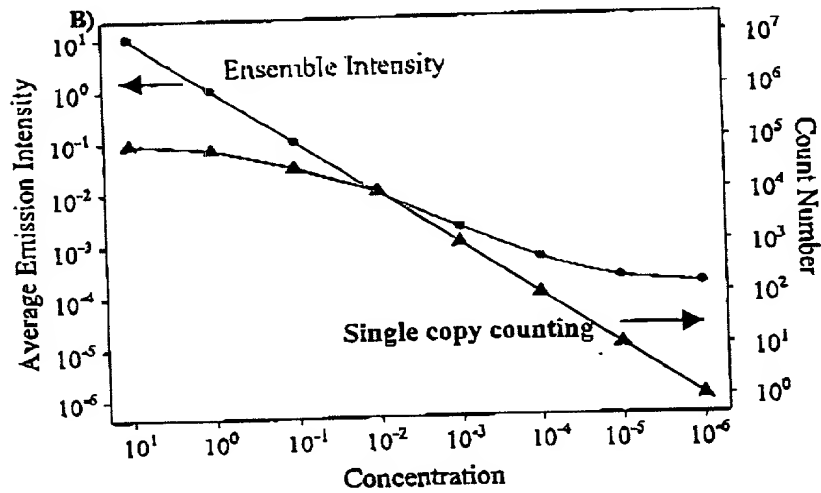


FIG. 2C

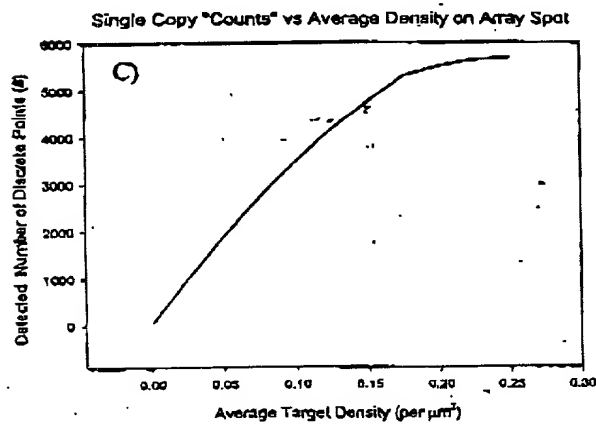


FIG. 3A

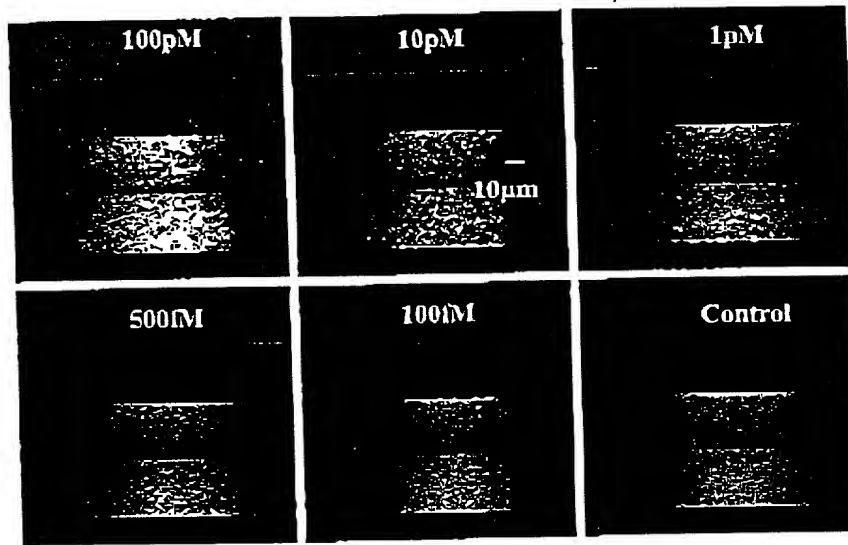


FIG. 3B

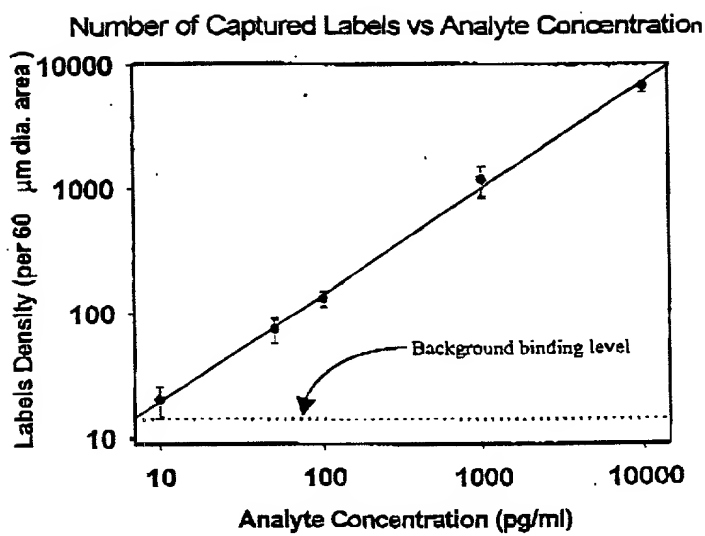


FIG. 4A

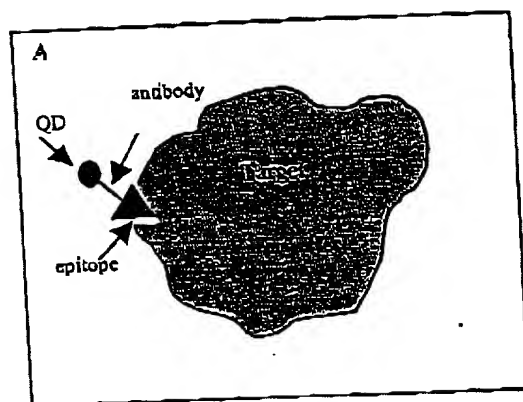
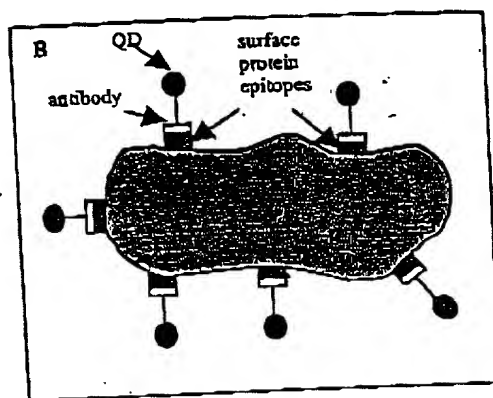


FIG. 4B



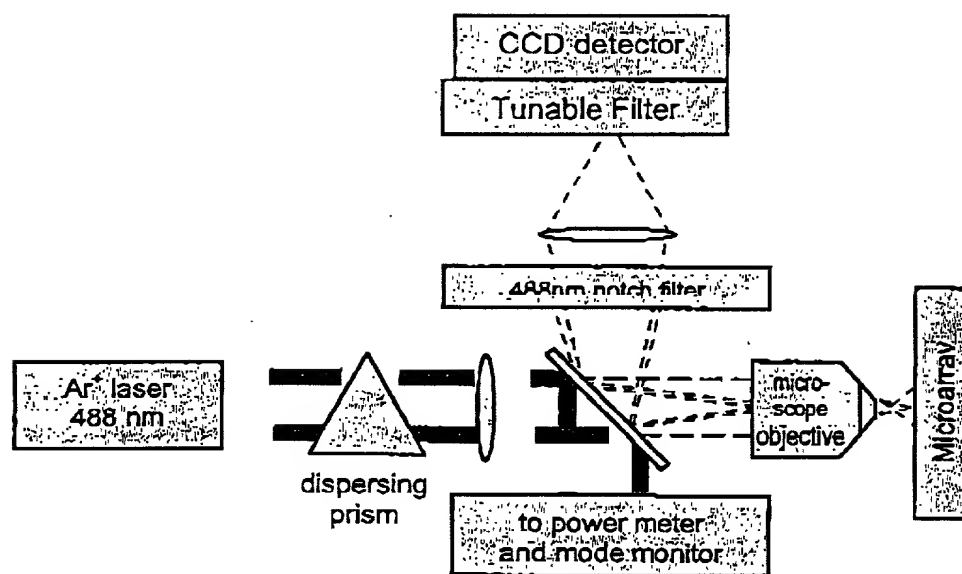
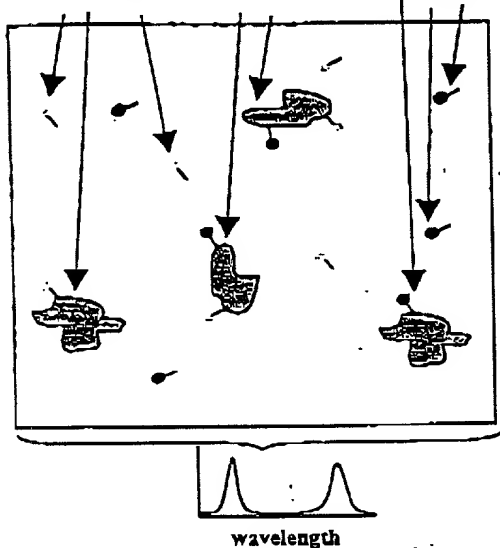


FIG. 5

Spectra with High Spatial Resolution



Label #2

Label #1

Non-specific
Target

Specific
Target

Spectrum with Low Spatial Resolution

FIG. 6

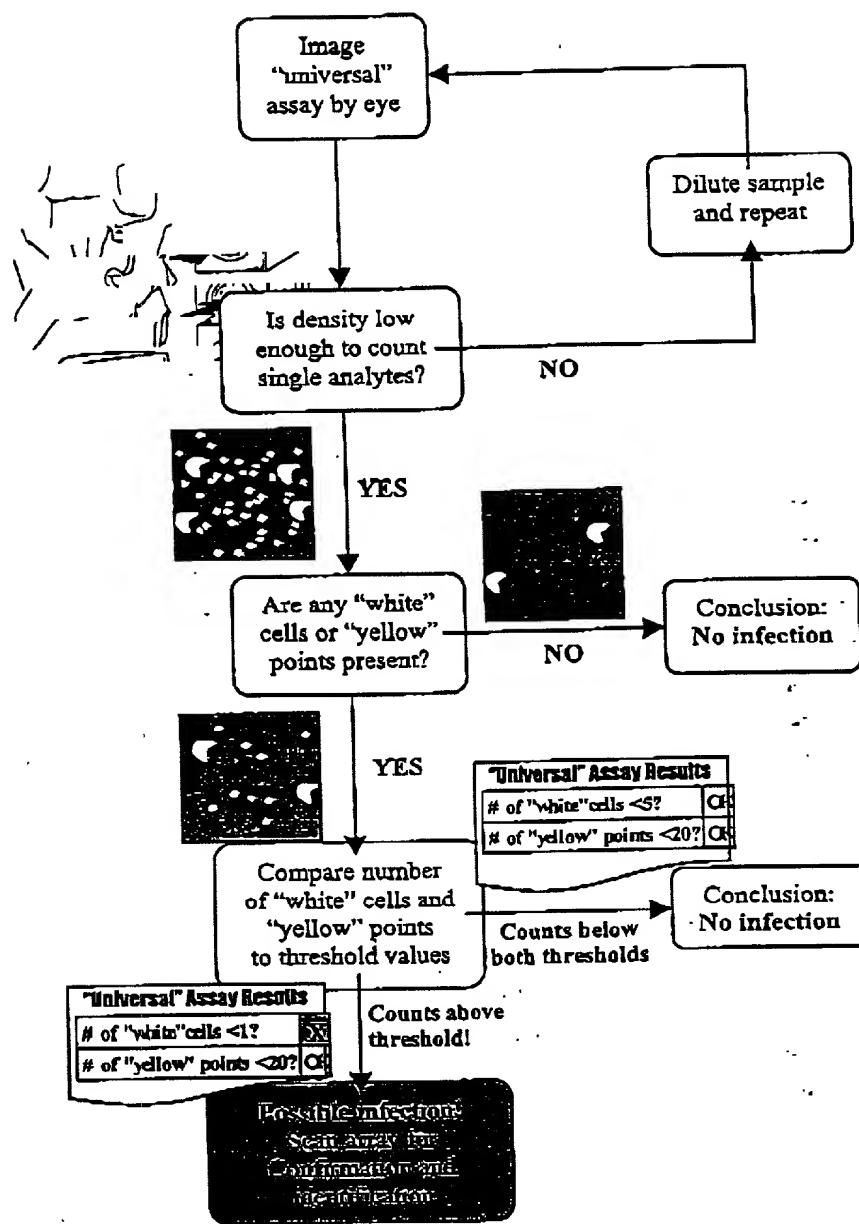


FIG. 7

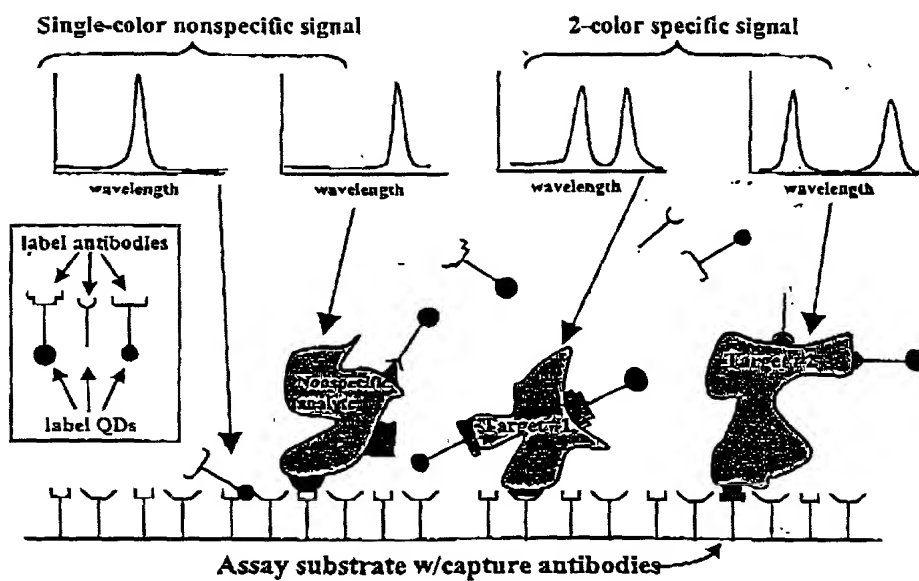


FIG. 9

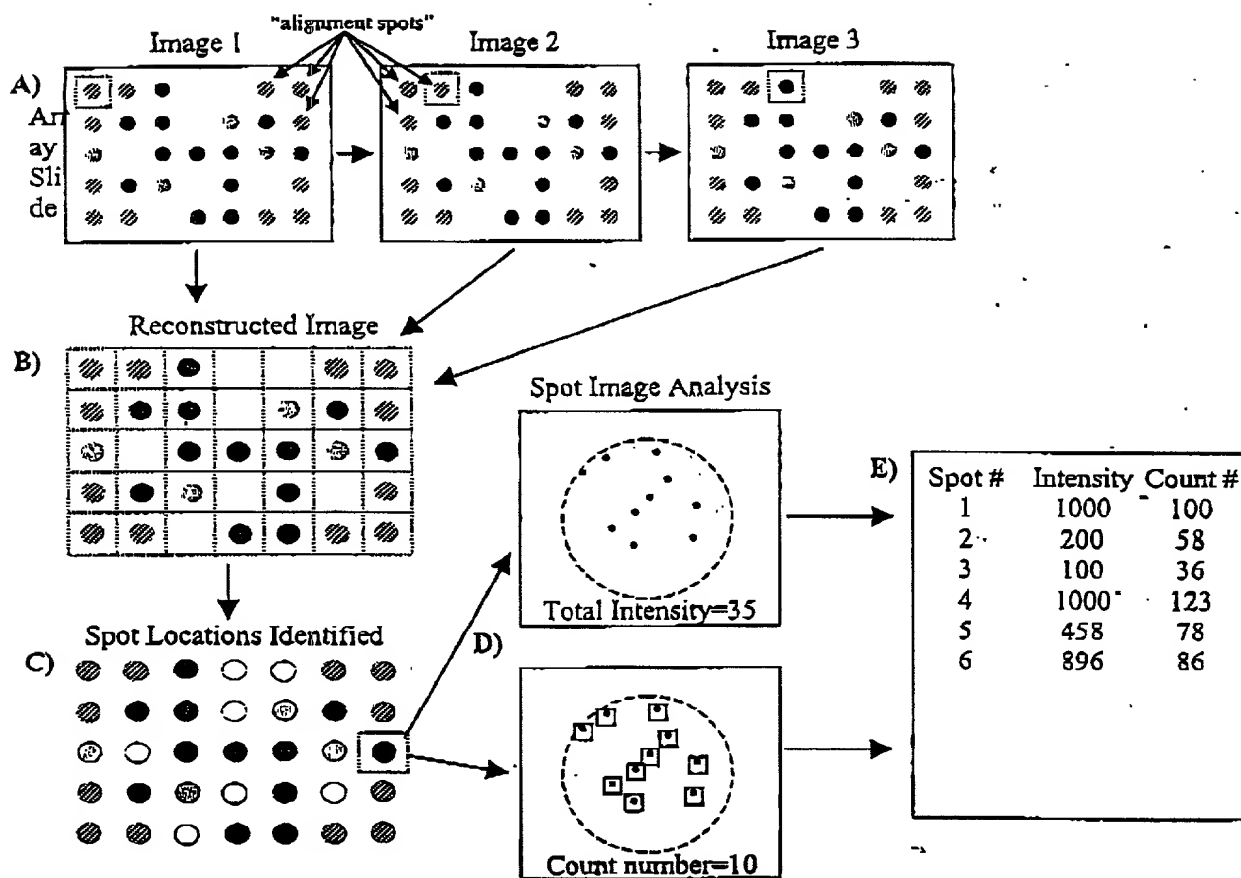


FIG. 8

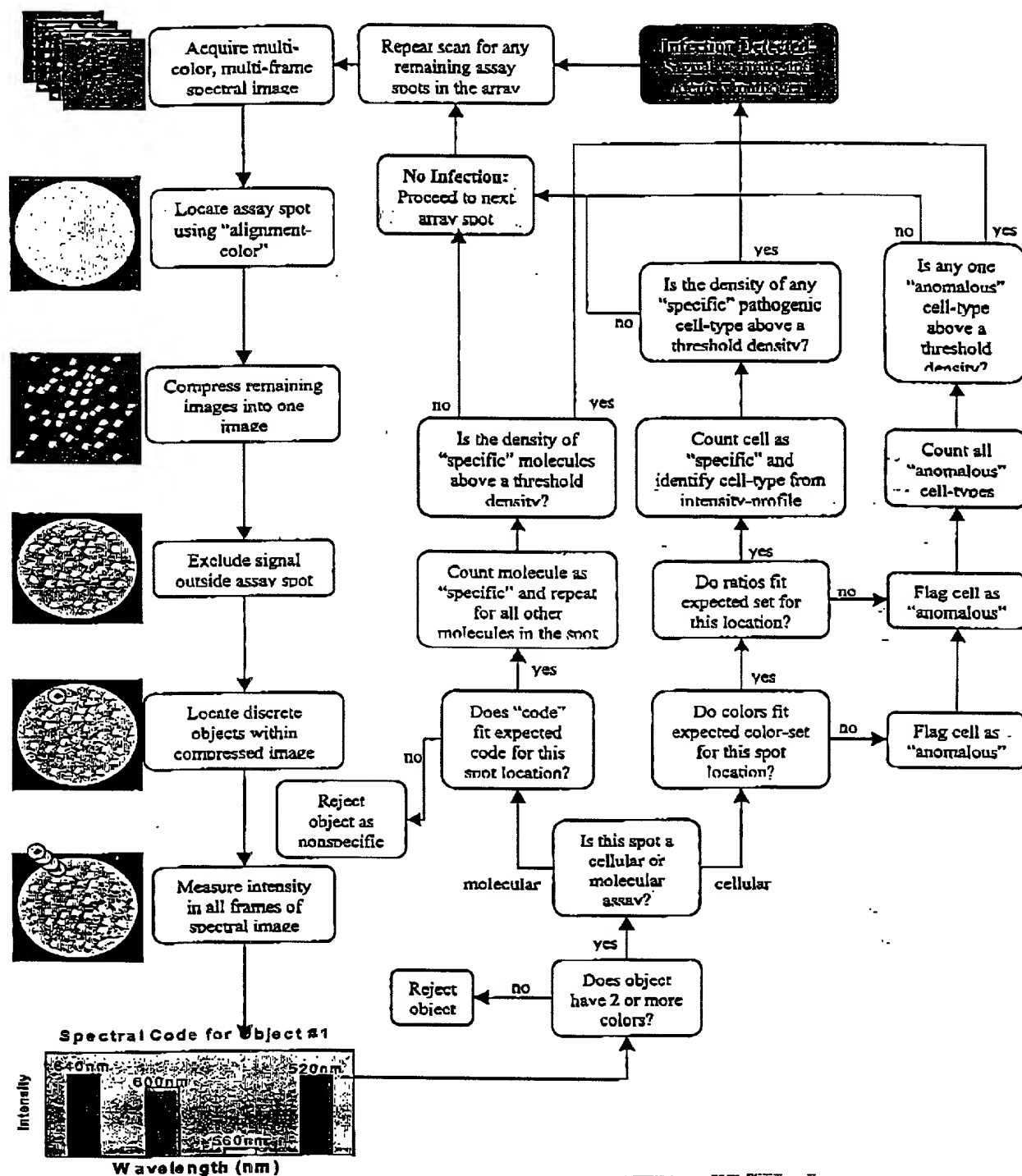


FIG. 10

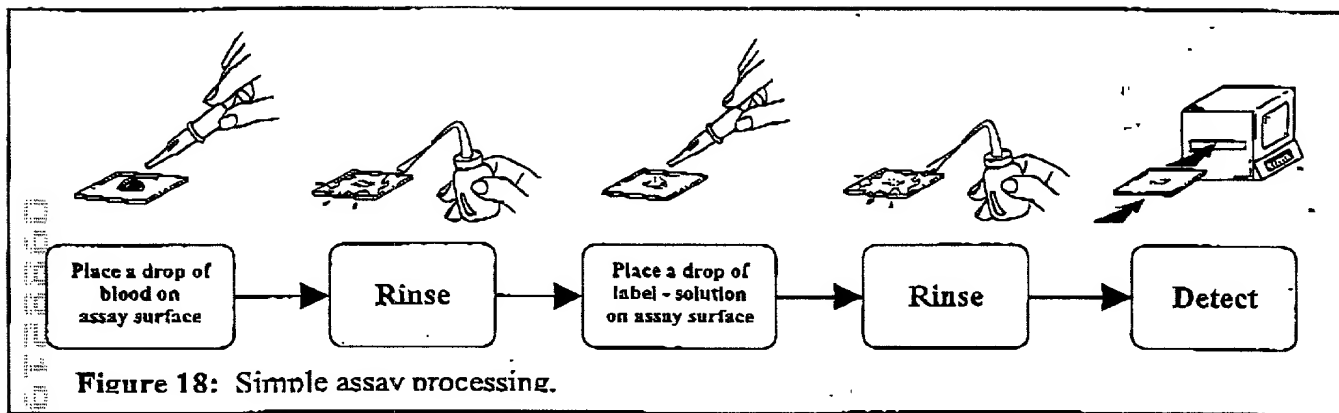
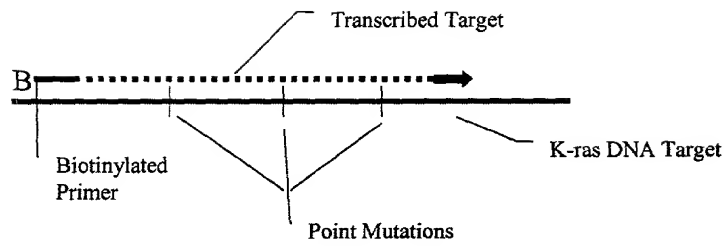
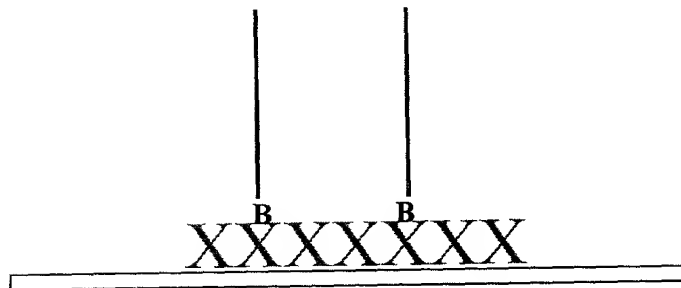


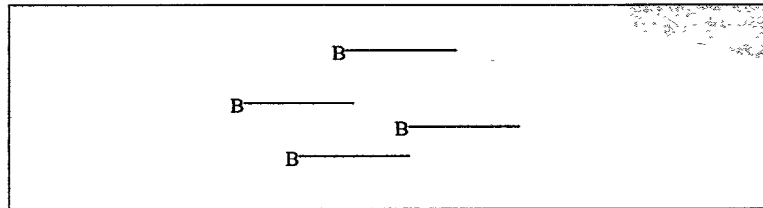
FIG. 11



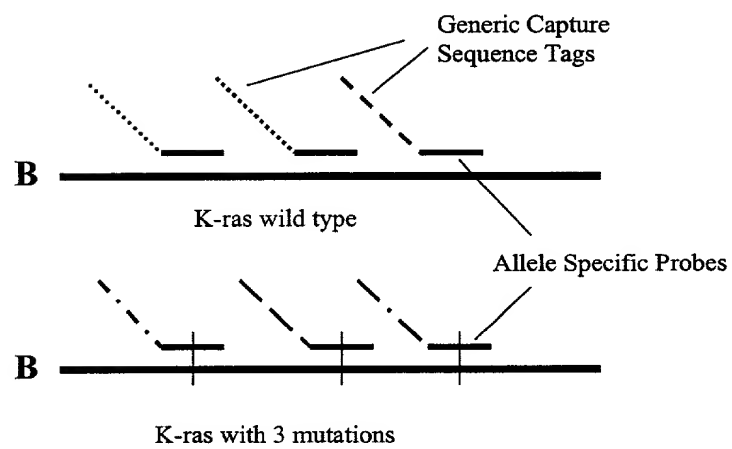
FIG_12



FIG_13



FIG_14



FIG_15

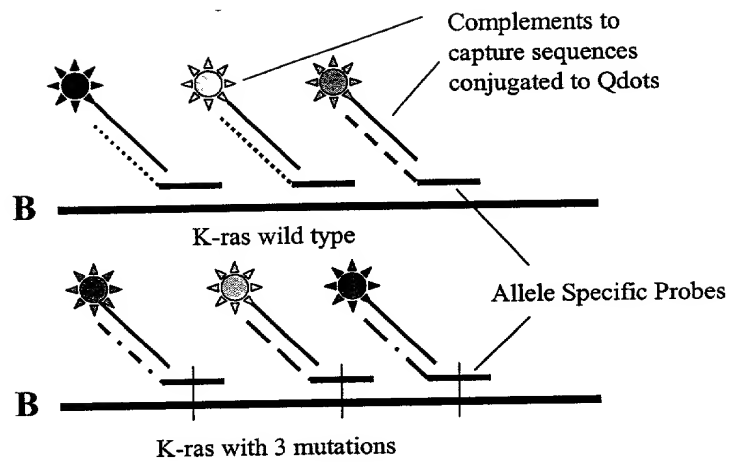


FIG-16

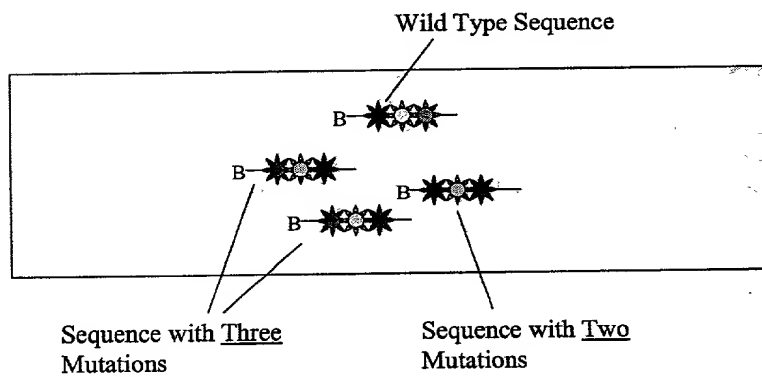


FIG-17